WEST Search History

DATE: Tuesday, August 12, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB; PLUR=YES; OP=ADJ			
L7	tris trimethylsiloxy silane and cleaning	5	L7
DB=DWPI; PLUR=YES; OP=ADJ			
L6	tris trimethylsiloxy silane and cleaning	1	L6
DB=EPAB; PLUR=YES; OP=ADJ			
L5	tris trimethylsiloxy silane and cleaning	1	L5
DB=JPAB; PLUR=YES; OP=ADJ			
L4	tris trimethylsiloxy silane and cleaning	1	L4
L3	L2	0	L3
DB=USPT; PLUR=YES; OP=ADJ			
L2	L1 and cleaning	33	L2
L1	tris trimethylsiloxy silane	198	L1

END OF SEARCH HISTORY

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 * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:18:34 ON 12 AUG 2003

=> file reg

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 08:18:39 ON 12 AUG 2003
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provided by InfoChem.

STRUCTURE FILE UPDATES:   11 AUG 2003  HIGHEST RN 565156-77-6
DICTIONARY FILE UPDATES:  11 AUG 2003  HIGHEST RN 565156-77-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e tris9trimethylsiloxy)silane/cn

E1            1     TRIS-THP PGF2.ALPHA./CN
E2            1     TRIS-X/CN
E3            0 --> TRIS9TRIMETHYLSILOXY)SILANE/CN
E4            1     TRISABBREVIATIN BBB/CN
E5            1     TRISACETONITRILE(CYCLOPENTADIENYL)RUTHENIUM
HEXAFLUOROPHOSPH
                    ATE/CN
E6            1     TRISACETYL CYANURATE/CN
E7            1     TRISACETYLAMINOMETHANE/CN
E8            1     TRISACETYLGALLIC ACID-TRIMETHYLSILYL
4-ACETOXYBENZOATE-TRIME
                    THYLSILYL .BETA.-(4-HYDROXYPHENYL)PROPIONATE COPOLYMER/CN
E9            1     TRISACRYL/CN
E10           1     TRISACRYL FB 2000/CN
E11           1     TRISACRYL GF 05/CN
E12           1     TRISACRYL GF 05LS-DEAE/CN

=> e tris(trimethylsiloxy)silane/cn

E1            1     TRIS(TRIMETHYLSILOXY)PHENYLSILANE/CN
E2            1     TRIS(TRIMETHYLSILOXY)PHOSPHINE OXIDE/CN
E3            1 --> TRIS(TRIMETHYLSILOXY)SILANE/CN
E4            1     TRIS(TRIMETHYLSILOXY)SILANOL/CN
E5            1     TRIS(TRIMETHYLSILOXY)SILYL CELLULOSE/CN
E6            1     TRIS(TRIMETHYLSILOXY)SILYL CHLORIDE/CN
```

method)

=> d all 1-7

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:754663 CAPLUS
DN 137:281058
TI Vapor phase siloxane dry **cleaning** process
IN Perry, Robert J.; Hubbard, Patricia A.
PA General Electric Company, USA
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM D06L001-02
ICS D06L001-04; C11D011-00; D06F043-00; C11D007-50; C11D003-16
CC 46-5 (Surface Active Agents and Detergents)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002077356	A1	20021003	WO 2002-US4620	20020215

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

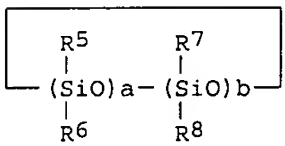
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003019048	A1	20030130	US 2001-813666	20010321
PRAI US 2001-813666	A	20010321		

OS MARPAT 137:281058
GI

US 6610108 8/26/2003

2003 0019048



I

AB Volatile cyclic, linear or branched siloxanes are used in the vapor phase for the **cleaning** of soiled or stained fabrics. The linear or branched siloxanes are M2+y+2zDxTyQz (M = R13SiO1/2; D = R2R3SiO2/2; T = R4SiO3/2; and Q = SiO4/2; R1-4 = a monovalent hydrocarbon radical having 1-40 C atoms; and x and y and z are each integers, where 0 < x < 10 and 0 < y < 10 and 0 < z < 10). The cyclic siloxanes are (I) [R5-8 = a monovalent hydrocarbon group having 1-40 C atoms; a and b are each integers where 0 < a < 10 and 0 < b < 10, provided that 3.1toreq. (a + b) .ltoreq.10].
ST siloxane dry **cleaning** agent textile
IT Detergents
(dry-**cleaning**; volatile phase cyclic, linear or branched siloxane solvent for dry **cleaning** of garments)
IT **Cleaning** solvents
Textiles
(volatile phase cyclic, linear or branched siloxane solvent for dry **cleaning** of garments)
IT Cyclosiloxanes
Polysiloxanes, uses

Siloxanes (nonpolymeric)
RL: TEM (Technical or engineered material use); USES (Uses)
(volatile phase cyclic, linear or branched siloxane solvent for dry **cleaning** of garments)

IT 107-46-0, Hexamethyldisiloxane 107-51-7, Octamethyltrisiloxane 107-52-8, Tetradecamethylhexasiloxane 141-62-8, Decamethyltetrasiloxane 141-63-9, Dodecamethylpentasiloxane 541-01-5, Hexadecamethylheptasiloxane 541-02-6, Decamethylcyclopentasiloxane **17928-28-8**, Methyltris(trimethylsiloxy)silane
RL: TEM (Technical or engineered material use); USES (Uses)
(volatile phase cyclic, linear or branched siloxane solvent for dry **cleaning** of garments)

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Berndt, D; US 5942007 A 1999 CAPLUS
(2) Imajo, Y; US 5833761 A 1998
(3) Japan Field Kk; JP 06032795 B 1994
(4) Japan Field Kk; JP 06238243 A 1994 CAPLUS
(5) Japan Field Kk; JP 06238244 A 1994 CAPLUS
(6) Kasprzak, K; US 4685930 A 1987 CAPLUS
(7) Lee, M; US 5834416 A 1998 CAPLUS
(8) Lion Fat & Oil Co Ltd; JP 53056203 A 1978 CAPLUS
(9) Olympus Optical Co Ltd; JP 07328563 A 1995 CAPLUS
(10) Perry, R; US 2002004953 A1 2002
(11) Resch, C; US 5676705 A 1997
(12) Storey, L; WO 9910587 A 1999 CAPLUS
(13) Unilever Plc; EP 1092803 A 2001 CAPLUS

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:714163 CAPLUS
DN 137:232767
TI Preparation of branched siloxanes useful as industrial siloxane lubricants, cosmetic fluids, and **cleaning** agents.

IN Asai, Satoshi; Tsukioka, Kazumasa
PA Shin-Etsu Chemical Co., Ltd., Japan

SO Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW

DT Patent
LA English
IC ICM C07F007-08
ICS C08G077-08; C08G077-04
CC 29-6 (Organometallic and Organometalloidal Compounds)
Section cross-reference(s): 45

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1241171	A1	20020918	EP 2002-251818	20020314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002265478	A2	20020918	JP 2001-71788	20010314
US 2002133035	A1	20020919	US 2002-96589	20020314
US 6596892	B2	20030722		

PRAI JP 2001-71788 A 20010314
OS CASREACT 137:232767
AB Branched siloxanes, [e.g., methyltris(trimethylsiloxy)silane] are effectively prepd. in high yields by reacting a trichlorosilane (e.g, methyltrichlorosilane) with a disiloxane (e.g., hexamethyldisiloxane) in the presence of a linear phosphonitrilic chloride (LPNC) catalyst. Compds. of the type prepd. are useful as industrial siloxane lubricants, cosmetic fluids, and **cleaning** agents.
ST siloxane nonpolymeric prepn linear phosphonitrilic chloride catalyst; lubricant siloxane nonpolymeric prepn; cosmetic fluid siloxane nonpolymeric prepn; **cleaning** agent siloxane nonpolymeric prepn; methyltristrimethylsiloxysilane prepn; propyltristrimethylsiloxysilane prepn; alkyltrisalkylsiloxysilane prepn
IT Phosphonitrile compounds

RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(catalysts; prepn. of linear phosphonitrilic chloride (LPNC) catalyst for prepn. of nonpolymeric siloxanes)

IT Cosmetics
(liqs.; prepn. of branched siloxanes useful as industrial siloxane lubricants, cosmetic fluids, and **cleaning** agents)

IT Scouring agents
(prepn. of branched siloxanes useful as industrial siloxane lubricants, cosmetic fluids, and **cleaning** agents)

IT Siloxanes (nonpolymeric)
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of branched siloxanes useful as industrial siloxane lubricants, cosmetic fluids, and **cleaning** agents)

IT Lubricants
(siloxane; prepn. of branched siloxanes useful as industrial siloxane lubricants, cosmetic fluids, and **cleaning** agents)

IT 13940-58-4P **17928-28-8P**, Methyltris(trimethylsiloxy)silane
60111-46-8P
RL: IMF (Industrial manufacture); PREP (Preparation)
(prepn. of branched siloxanes)

IT 75-79-6, Methyltrichlorosilane 107-46-0, Hexamethyldisiloxane
141-57-1, Propyltrichlorosilane 10025-78-2, Trichlorosilane
13597-73-4, Disiloxane
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of branched siloxanes)

IT 1832-07-1P, Phosphonitrile chloride
RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(prepn. of linear phosphonitrilic chloride (LPNC) catalyst for prepn. of nonpolymeric siloxanes)

IT 999-97-3, Hexamethyldisilazane 10026-13-8, Phosphorus pentachloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of linear phosphonitrilic chloride (LPNC) catalyst for prepn. of nonpolymeric siloxanes)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Emsley, J; JOURNAL OF THE CHEMICAL SOCIETY, SECTION A 1971, P2863 CAPLUS
(2) Gen Electric; EP 0928632 A 1999 CAPLUS
(3) Hans-Joachim, V; US 4824982 A 1989 CAPLUS
(4) Karl-Heinrich, W; US 3549680 A 1970
(5) Shinetsu Chemical Co; EP 0435654 A 1991 CAPLUS
(6) Wohlfarth, E; US 3839388 A 1974 CAPLUS

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:503426 CAPLUS

DN 137:64940

TI Method of dry **cleaning** fabrics and dry **cleaning** solvent therefor

IN Sugo, Michihiro; Asai, Satoshi

PA Shin-Etsu Chemical Co., Ltd., Japan

SO Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW

DT Patent

LA English

IC ICM C11D007-50
ICS C11D011-00; D06L001-02; D06L001-08

CC 46-5 (Surface Active Agents and Detergents)

Applicant's priority

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1219699	A1	20020703	EP 2001-403331	20011220

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK; CY, AL, TR

JP 2002256292 A2 20020911 JP 2001-387229 20011220
US 2002116769 A1 20020829 US 2001-25909 20011226
PRAI JP 2000-394481 A 20001226
OS MARPAT 137:64940
AB The method comprises (a) immersing or soaking a fabric material in a dry **cleaning** solvent contg. .gtoreq.30% which is a tris(trimethylsiloxy)silane RSi(OSiMe3)3 (R = C1-6 monovalent hydrocarbyl) and 0-70% petroleum-based hydrocarbon solvent to dissolve out dirt materials deposited on the fabric material into the solvent; (b) removing the dirt material dissolved dry **cleaning** solvent by solid-liq. sepn.; and (c) drying the cleaned fabric material. The **cleaning** method provide high cleansing effect on oily or greasy dirt deposited on the fabrics and very pleasant touch feeling.
ST trimethylsiloxy silane dry **cleaning** solvent fabric
IT Hydrocarbon oils
RL: TEM (Technical or engineered material use); USES (Uses)
(Brightsol; method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT Textiles
(cotton; method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT Dry **cleaning** solvents
(drying; method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT Polyamide fibers, miscellaneous
Polyester fibers, miscellaneous
RL: MSC (Miscellaneous)
(fabrics; method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT Textiles
(method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT Petroleum hydrocarbons
RL: TEM (Technical or engineered material use); USES (Uses)
(method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT **17928-28-8P**, Methyltris(trimethylsiloxy)silane 60111-46-8P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT 1873-89-8D, Tris(trimethylsiloxy)silane, alkyl derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(method of dry **cleaning** fabrics using tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
IT 75-79-6, Methyltrichlorosilane 107-46-0, Hexamethyldisiloxane 141-57-1, Propyltrichlorosilane 1066-40-6, Trimethyl silanol
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of tris(trimethylsiloxy)silane-based dry **cleaning** solvents)
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Gen Electric; EP 1043443 A 2000

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:482729 CAPLUS
DN 137:34816
TI Dry-**cleaning** detergent compositions containing silicone oils and silicone-type surfactants
IN Sugai, Michihiro
PA Shin-Etsu Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

Issue date

IC ICM C11D003-20
ICS C08G077-46; C11D001-82; C11D003-43; C11D010-02; D06L001-04
CC 46-5 (Surface Active Agents and Detergents)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2002180091	A2	20020626	JP 2000-381457	20001215
PRAI JP 2000-381457		20001215		

AB The detergent compn. with good detergency and less odor of residual solvent on clothing, comprises 95-99.9% silicone oil with b.p. .ltoreq.300.degree. at 1 atm. and 0.1-5% silicone surfactant compatible to the silicone oil. Thus, a dry-**cleaning** detergent compn. comprising 99.7 parts octamethylcyclopentasiloxane and 0.3 parts (CH3)3SiO[Si(CH3)2O]27[Si(R)(CH3)O]3Si(CH3)3 (R = -(CH2)3O(C2H4O)4H) showed good detergency and no odor of residual solvent.

ST silicone oil dry **cleaning** detergent; polyoxyalkylene polysiloxane surfactant dry **cleaning** detergent

IT Surfactants
(dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

IT Detergents
(dry-**cleaning**; dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

IT Polysiloxanes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-, graft, surfactants; dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

IT Polyoxyalkylenes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polysiloxane-, graft, surfactants; dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

IT 214495-17-7DP, trimethylsilyl-terminated
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

IT 107-51-7, Octamethyltrisiloxane 141-62-8, Decamethyltetrasiloxane 141-63-9, Dodecamethylpentasiloxane **17928-28-8**, Tris(trimethylsiloxy)methylsilane 62306-33-6, Octamethylcyclopentasiloxane
RL: TEM (Technical or engineered material use); USES (Uses)
(dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

IT 156310-28-0DP, Dimethylsilanediol-methylsilanediol-ethylene oxide graft copolymer, trimethylsilyl-terminated 163750-01-4P, Dimethylsilanediol-methylsilanediol-ethylene oxide-propylene oxide graft copolymer n-butyl ether
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(surfactant; dry-**cleaning** detergent compns. contg. silicone oils and silicone-type surfactants)

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:453074 CAPLUS
DN 135:63023
TI Process for stabilization of siloxane dry **cleaning** solvents by contacting them with water
IN Perry, Robert James; Riccio, Donna A.
PA General Electric Co., USA

SO PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07F007-20
ICS C08G077-34; D06L001-04; D06L001-02; D06L001-08
CC 46-5 (Surface Active Agents and Detergents)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001044256	A1	20010621	WO 2000-US31556	20001116
	W: JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	US 6368359	B1	20020409	US 1999-466484	19991217
	EP 1242430	A1	20020925	EP 2000-978745	20001116
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	JP 2003516997	T2	20030520	JP 2001-544746	20001116
PRAI	US 1999-466484	A	19991217		
	US 2000-547517	A	20000412		
	WO 2000-US31556	W	20001116		

AB A method for stabilizing silicone dry **cleaning** solvents that may contain an undesirable acidic impurity capable of causing cyclic siloxane formation comprises contacting the silicone solvent with an aq. soln., and
sepg. the silicone solvent.

ST siloxane dry **cleaning** solvent stabilization water

IT Zeolite 13X
Zeolite 4A
RL: NUU (Other use, unclassified); USES (Uses)
(adsorbents; stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns. and drying with)

IT Dry **cleaning** solvents
Extractants
Extraction
(stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns.)

IT Cyclosiloxanes
Siloxanes (nonpolymeric)
RL: PUR (Purification or recovery); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns.)

IT Adsorbents
(stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns. and drying with)

IT 7778-18-9, Calcium sulfate 10043-52-4, Calcium chloride, uses
RL: NUU (Other use, unclassified); USES (Uses)
(adsorbent; stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns. and drying with)

IT 7732-18-5, Water, uses
RL: NUU (Other use, unclassified); USES (Uses)
(stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns.)

IT 107-51-7P, Octamethyltrisiloxane 141-62-8P, Decamethyltetrasiloxane 141-63-9P, Dodecamethylpentasiloxane 541-02-6P, Decamethylcyclopentasiloxane 556-67-2P, Octamethylcyclotetrasiloxane **17928-28-8P**, Methyltris(trimethylsiloxy)silane
RL: PUR (Purification or recovery); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns.)

IT 144-55-8, Sodium bicarbonate, uses 497-19-8, Sodium carbonate, uses 7447-40-7, Potassium chloride, uses 7487-88-9, Magnesium sulfate, uses 7647-14-5, Sodium chloride, uses 7647-15-6, Sodium bromide, uses

RL: NUU (Other use, unclassified); USES (Uses)
(stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns. contg.)

IT 64-19-7, Acetic acid, processes 75-75-2, Methanesulfonic acid 104-15-4, p-Toluenesulfonic acid, processes 1832-07-1, Phosphonitrilic chloride 7647-01-0, Hydrochloric acid, processes 7664-93-9, Sulfuric acid, processes 27176-87-0, Dodecylbenzenesulfonic acid
RL: REM (Removal or disposal); PROC (Process)
(stabilization of siloxane dry **cleaning** solvents by contacting with aq. solns. to remove)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Akihito, T; US 5312947 A 1994 CAPLUS
(2) General Electric Company; US 2834753 A 1958 CAPLUS
(3) Kreussler Chem Fab; DE 3739711 A 1989 CAPLUS
(4) Shin Etsu Chem Co Ltd; JP 04-004224 A 1992, V016(144) CAPLUS
(5) Shinetsu Chemical Co; EP 0543665 A 1993 CAPLUS
(6) Toray Silicone Co; EP 0277825 A 1988 CAPLUS
(7) Ulf, G; US 4661612 A 1987 CAPLUS

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:360005 CAPLUS
DN 134:368621
TI Process for stabilization of siloxane dry **cleaning** compounds
IN Perry, Robert James; Riccio, Donna A.
PA General Electric Company, USA
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07F007-20
ICS C08G077-34
CC 46-5 (Surface Active Agents and Detergents)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001034613	A1	20010517	WO 2000-US29537	20001026
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1230247	A1	20020814	EP 2000-973896	20001026
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	BR 2000015476	A	20021008	BR 2000-15476	20001026
	JP 2003514076	T2	20030415	JP 2001-537326	20001026
PRAI	US 1999-438069	A	19991110		
	US 2000-547645	A	20000412		
	WO 2000-US29537	W	20001026		

OS MARPAT 134:368621

AB A method for stabilizing silicone dry **cleaning** solvents contg. impurities comprises contacting the silicone solvent with an adsorbent, neutralizing agent or combination thereof to purify the solvent and prevent reequilibration and polymn., and sepg. the silicone solvent.

ST silicone dry **cleaning** solvent stabilization absorbent neutralizing agent

IT Clays, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(acidic, adsorbent; process for stabilization of siloxane dry **cleaning** compds.)

IT Diatomite

Fuller's earth
Silica gel, uses
Zeolite 13X
Zeolite 4A
RL: TEM (Technical or engineered material use); USES (Uses)
(adsorbent; process for stabilization of siloxane dry **cleaning** compds.)

IT Neutralization
(agent; process for stabilization of siloxane dry **cleaning** compds.)

IT Charcoal
RL: TEM (Technical or engineered material use); USES (Uses)
(decolorizing, adsorbent; process for stabilization of siloxane dry **cleaning** compds.)

IT Polysiloxanes, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(dry **cleaning** solvent; process for stabilization of siloxane dry **cleaning** compds.)

IT Adsorbents
Dry **cleaning** solvents
Stabilizing agents
(process for stabilization of siloxane dry **cleaning** compds.)

IT 1832-07-1, Phosphonitrile chloride
RL: REM (Removal or disposal); PROC (Process)
(linear; process for stabilization of siloxane dry **cleaning** compds.)

IT 64-19-7, Acetic acid, processes 75-75-2, Methanesulfonic acid 104-15-4, p-Toluenesulfonicacid, processes 7647-01-0, Hydrochloricacid, processes 7664-93-9, Sulfuric acid, processes 27176-87-0, Dodecylbenzenesulfonic acid
RL: REM (Removal or disposal); PROC (Process)
(process for stabilization of siloxane dry **cleaning** compds.)

IT 107-51-7, Octamethyltrisiloxane 141-62-8, Decamethyltetrasiloxane 141-63-9, Dodecamethylpentasiloxane 541-02-6, Decamethylcyclopentasiloxane 556-67-2, Octamethylcyclotetrasiloxane **17928-28-8**, Methyltris(trimethylsiloxy)silane
RL: TEM (Technical or engineered material use); USES (Uses)
(process for stabilization of siloxane dry **cleaning** compds.)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Gen Electric; DE 2904706 A 1979 CAPLUS
(2) Gulick, G; US 3755152 A 1973 CAPLUS
(3) Kreussler Chem Fab; DE 3739711 A 1989 CAPLUS
(4) Licentia Gmbh; EP 0186736 A 1986 CAPLUS

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:498414 CAPLUS
DN 131:146045
TI Organosiloxane type **cleaning** agent and **cleaning** method
IN Kobayashi, Hideki; Masatomi, Akira; Mikami, Ryuzo; Ohkawa, Tadashi
PA Dow Corning Toray Silicone Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C11D001-82
ICS B08B003-08; C11D010-02; C23G005-032; C08L083-04; C11D001-82; C11D003-43
CC 46-6 (Surface Active Agents and Detergents)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11217584	A2	19990810	JP 1998-38059	19980204
PRAI	JP 1998-38059		19980204		

OS MARPAT 131:146045
AB The title **cleaning** agents contain a siloxane oligomer selected

from RSi[(OSiR2)xR]3 [R = (substituted) monovalent hydrocarbon group; x = 1-3] and Si[(OSiR2)y]4 (R = (substituted) monovalent hydrocarbon group; y = 1-3), where R does not include chlorinated hydrocarbon groups. The compds have low surface tension and good **cleaning** liq. cutting characteristics. Methyltris (trimethylsiloxy) silane was prepd. from methyltrimethoxysilane and hexamethyldisiloxane.

ST siloxane **cleaning** agent

IT Detergents
(organosiloxane type **cleaning** agent and **cleaning** method)

IT 681-84-5P, Tetramethoxy silane 3555-47-3P, Tetrakis (trimethylsiloxy) silane **17928-28-8P**, Methyltris (trimethylsiloxy) silane
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(organosiloxane type **cleaning** agent and **cleaning** method)

IT 107-46-0, Hexamethyldisiloxane 1185-55-3, Methyl trimethoxysilane
RL: RCT (Reactant); RACT (Reactant or reagent)
(organosiloxane type **cleaning** agent and **cleaning** method)